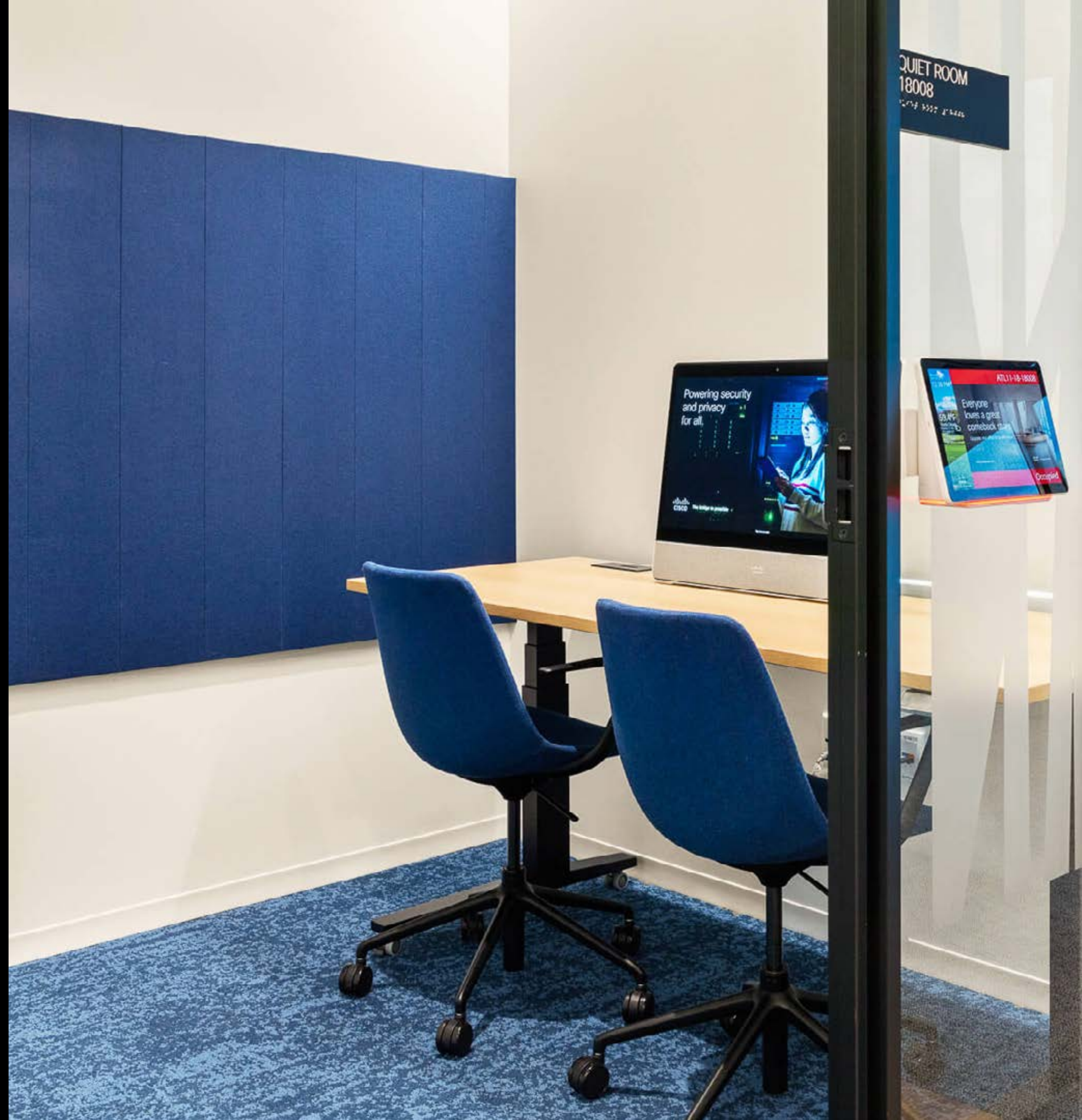**Smart Building Technology and Hybrid Work Solutions**

Cisco Talent and Collaboration Centers

Quiet Room (1 and 2 Person) Design Guide

Introduction

Overview and Intent

This document provides guidance on how to effectively design a one and two-person Quiet Room.

This design brings space layout, technology, and furnishings together to create an optimal experience for those present locally and for remote attendees.

Each customer project is unique. Thus, it is important to involve local facilities teams, workplace design resources, architects and space designers, IT, and a Cisco-certified integrator. The collective goal is to finalize the details of any design, verify the applicability and address any local concerns – electrical/mechanical, orientation and location of the room within the floor plan, accessibility, circulation, and external factors such as noise, light, and temperature.

Room Description

The one and two-person Quiet Rooms are the perfect space when you need privacy to take a video call, carry out focused work, collaborate with another individual, or simply need a bit more screen space to get your job done.

Supported Collaboration Activities

Information Sharing	✔
Brainstorming	✔
Team Building	
Decision Making	✔

Table of Contents

Visualization of key Cisco elements

Cisco Desk

1 Person

Cisco Deskpro

2 Person

**Cisco Room Navigator
for Wall**

Quiet Room (1 and 2 Person)

Composite Plans

1 Person

WALL WASH FIXTURE
TO ILLUMINATE USER'S FACE

CISCO DESK

6'-0" (1829mm)

PIN LIGHT FIXTURE
CENTERED IN ROOM

64°

CISCO
ROOM
NAVIGATOR
FOR WALL

8'-0" (2438mm)

$

2 Person

WALL WASH LIGHT FIXTURE
TO ILLUMINATE USER'S FACE

PIN LIGHT FIXTURE
CENTERED IN ROOM

CISCO DESKPRO

6'-0" (1829mm)

71°

CISCO
ROOM
NAVIGATOR
(wall mtd.)

8'-0" (2438mm)
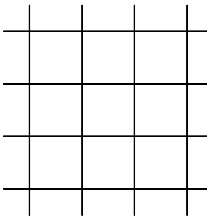
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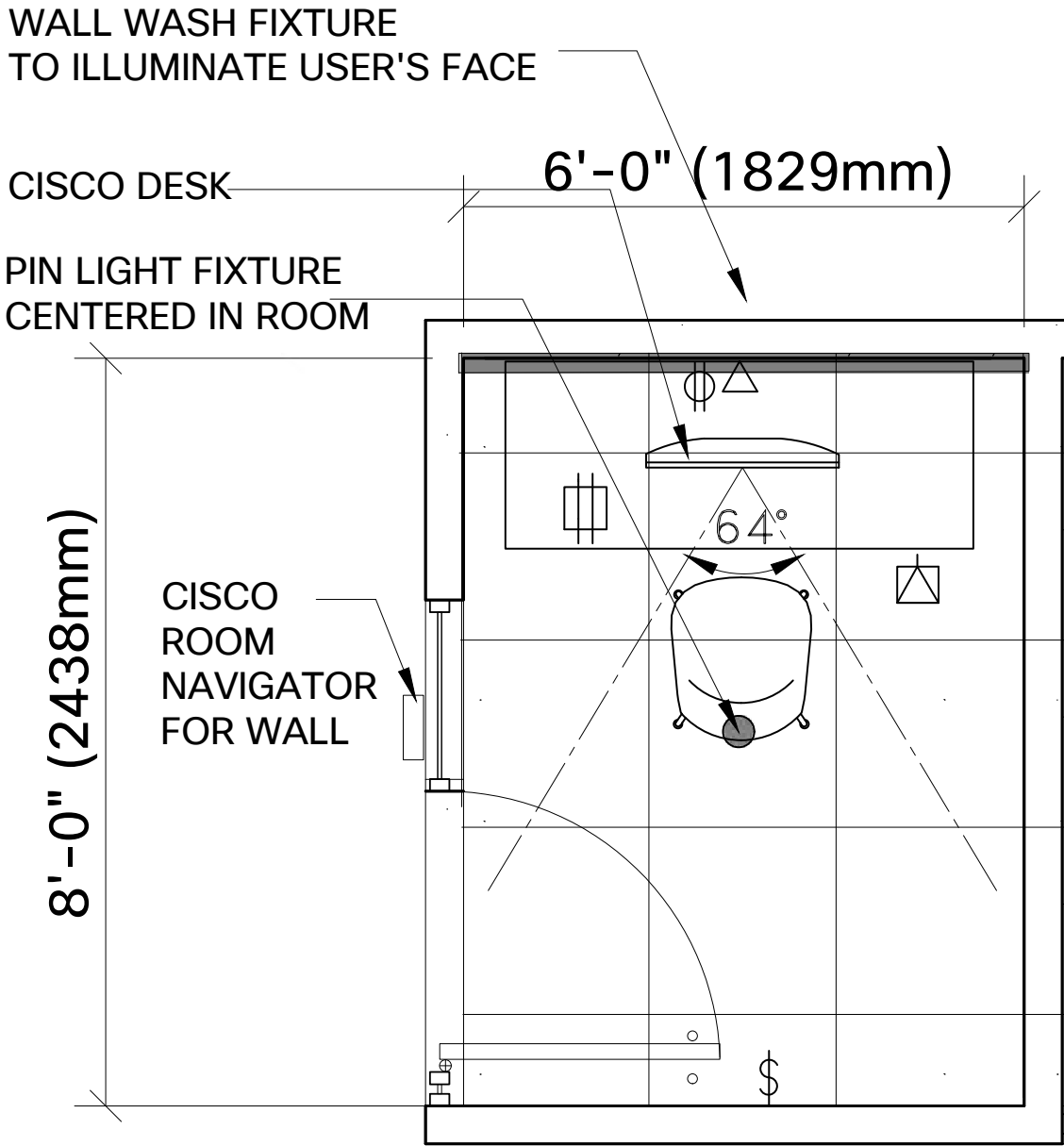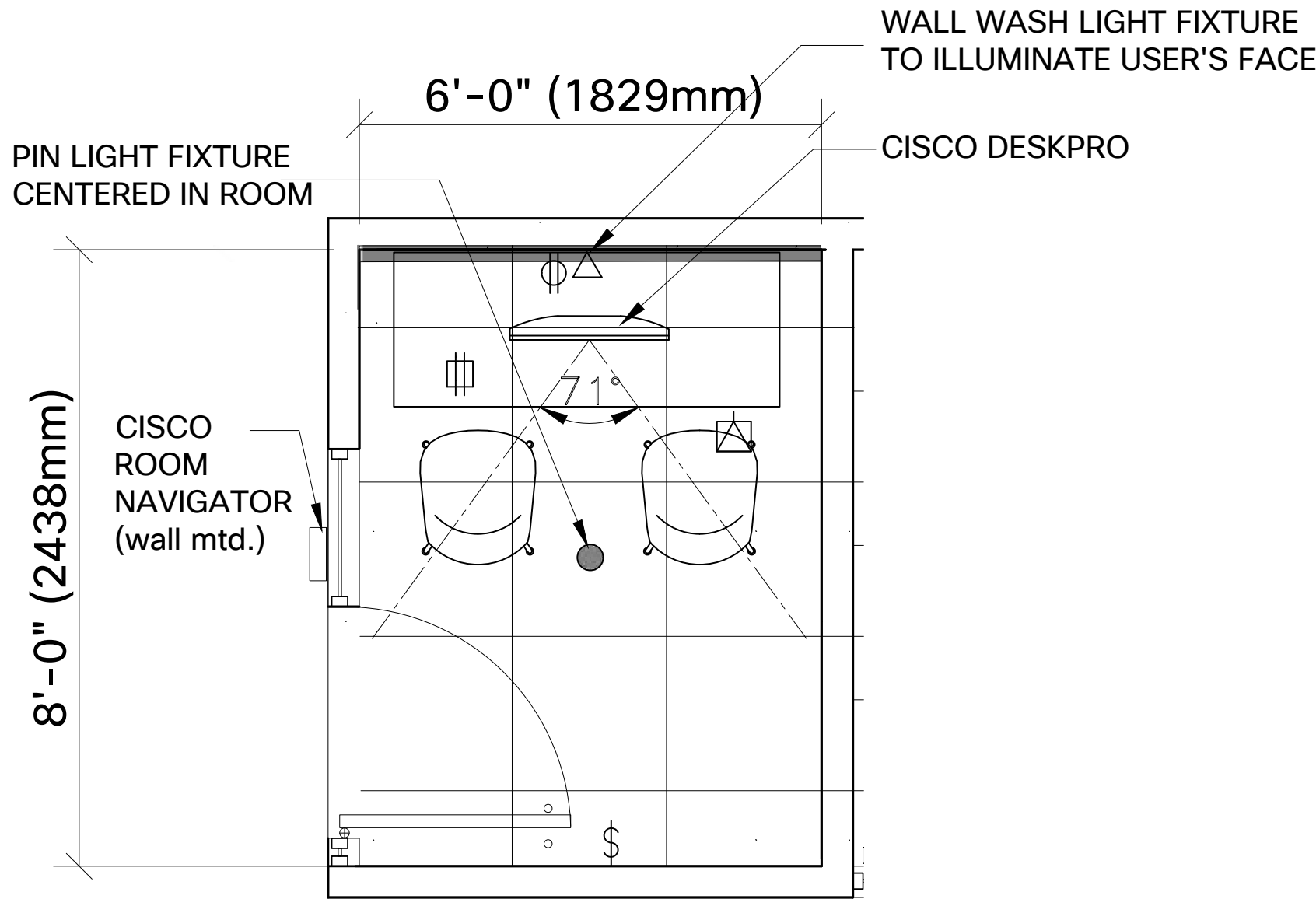
Graphics Symbols

ACOUSTICAL CEILING AND GRID

LIGHT FIXTURES

LIGHT FIXTURES

FURNITURE SYSTEMS MOUNTED DEVICES

DUPLEX RECEPTACLE

DATA RECEPTACLE

POWER AND COMMUNICATION

WALL MOUNTED DEVICES

DUPLEX RECEPTACLE

DATA RECEPTACLE

$ LIGHT SWITCH

NOTE: PROVIDE SOLID BLOCKING IN WALLS FOR
ALL WALL MOUNTED EQUIPMENT & DEVICES

CISCO

Room Layout

Optimal size is nominal 8'x6' (2438mm x 1829mm), with a 5' (1524mm) table, 1 person room can go to 7'x5' (2134mm x 1524mm) with a 4' (1219mm) table if needed.

1 Person

Apply semi-transparent privacy film to sidelight for privacy

8'-0" (2438mm)

6'-0" (1829mm)

Cisco Desk
(64° Horizontal FoV)

2 Person

Place entrance on adjoining wall for best experience

8'-0" (2438mm)

6'-0" (1829mm)

Cisco Desk Pro
(71° Horizontal FoV)
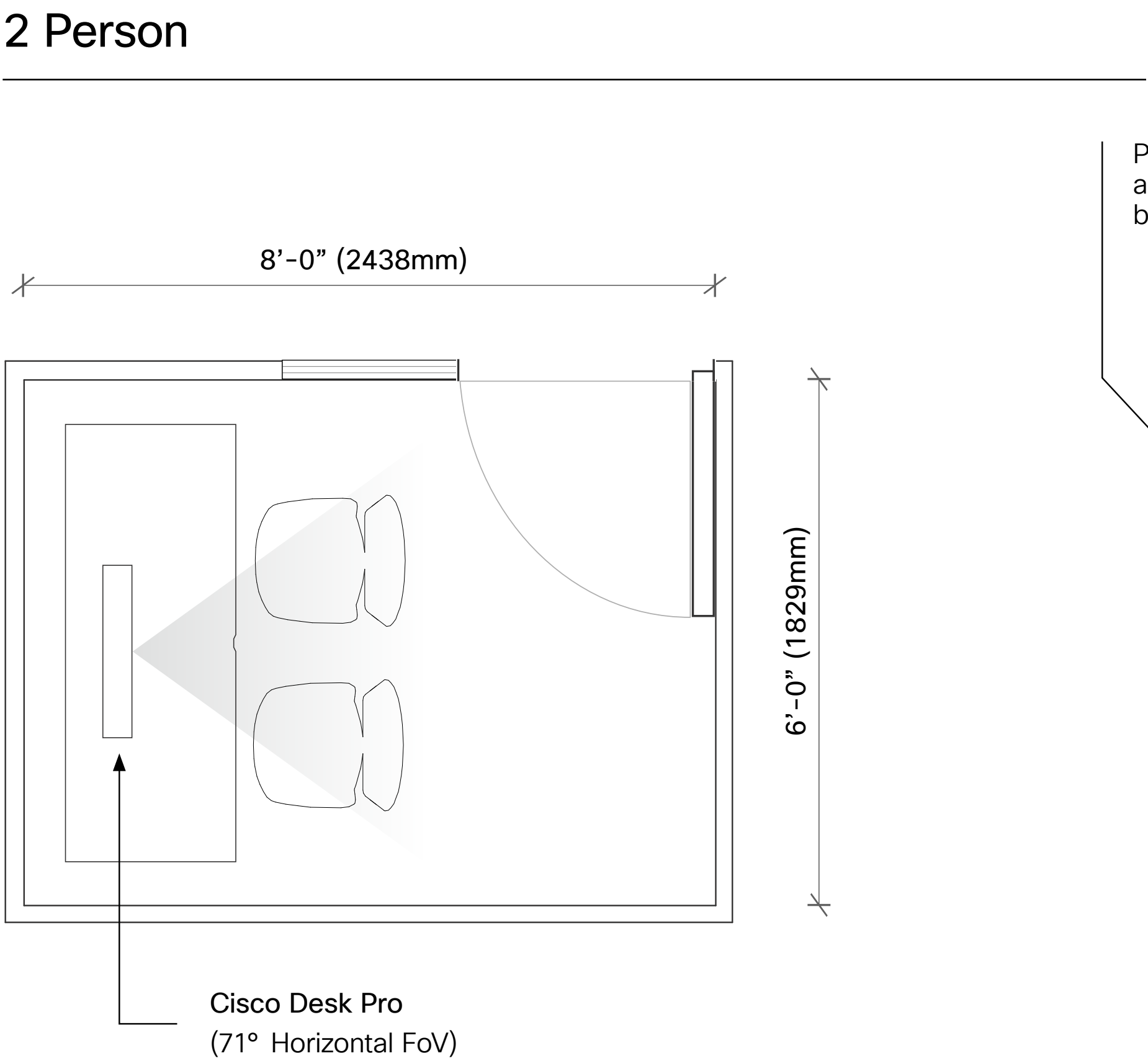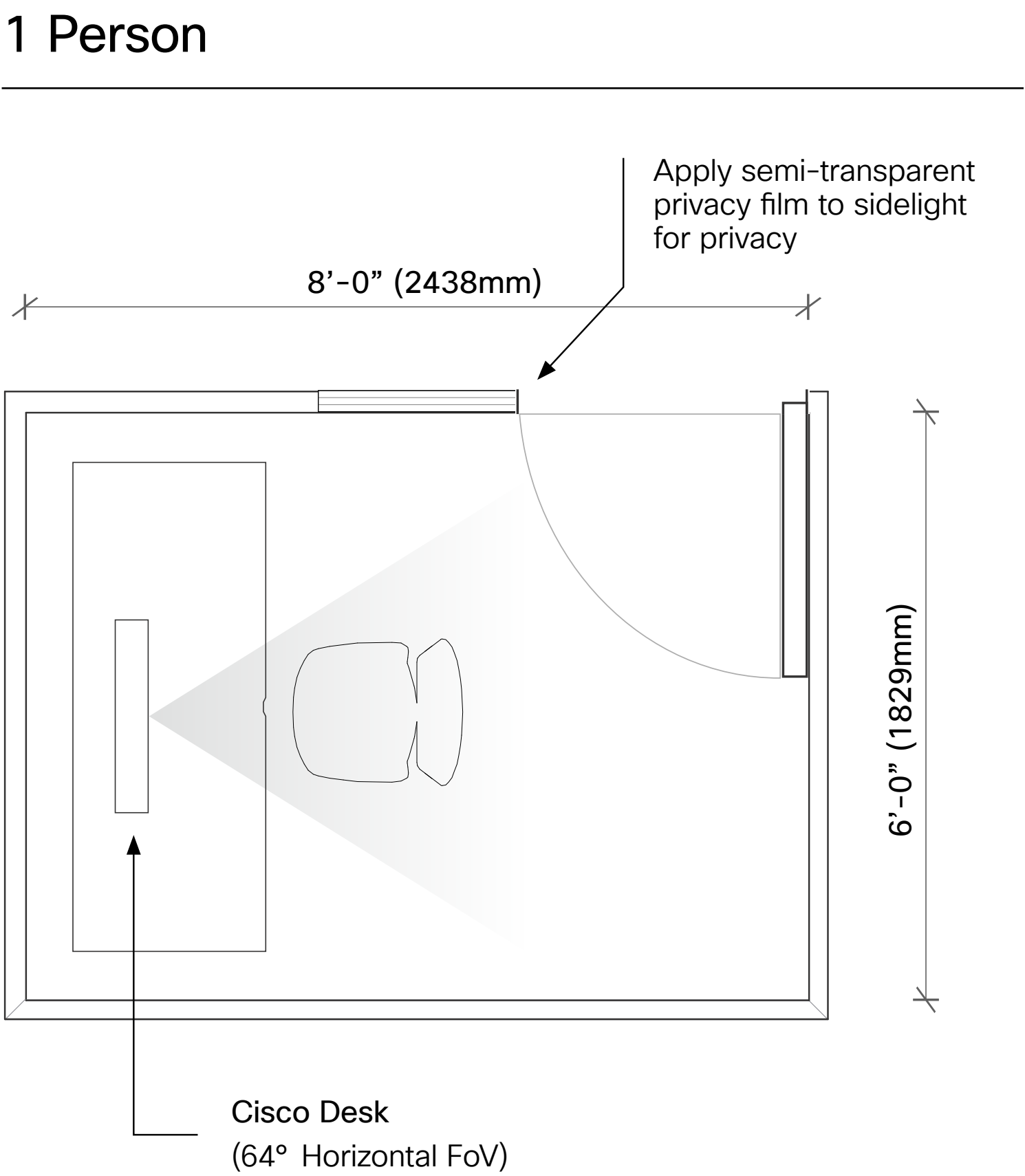
Design Considerations

Room Orientation

Proper orientation of the desk within the Quiet Room is critically important. Positioning the desk on the adjoining wall with the door,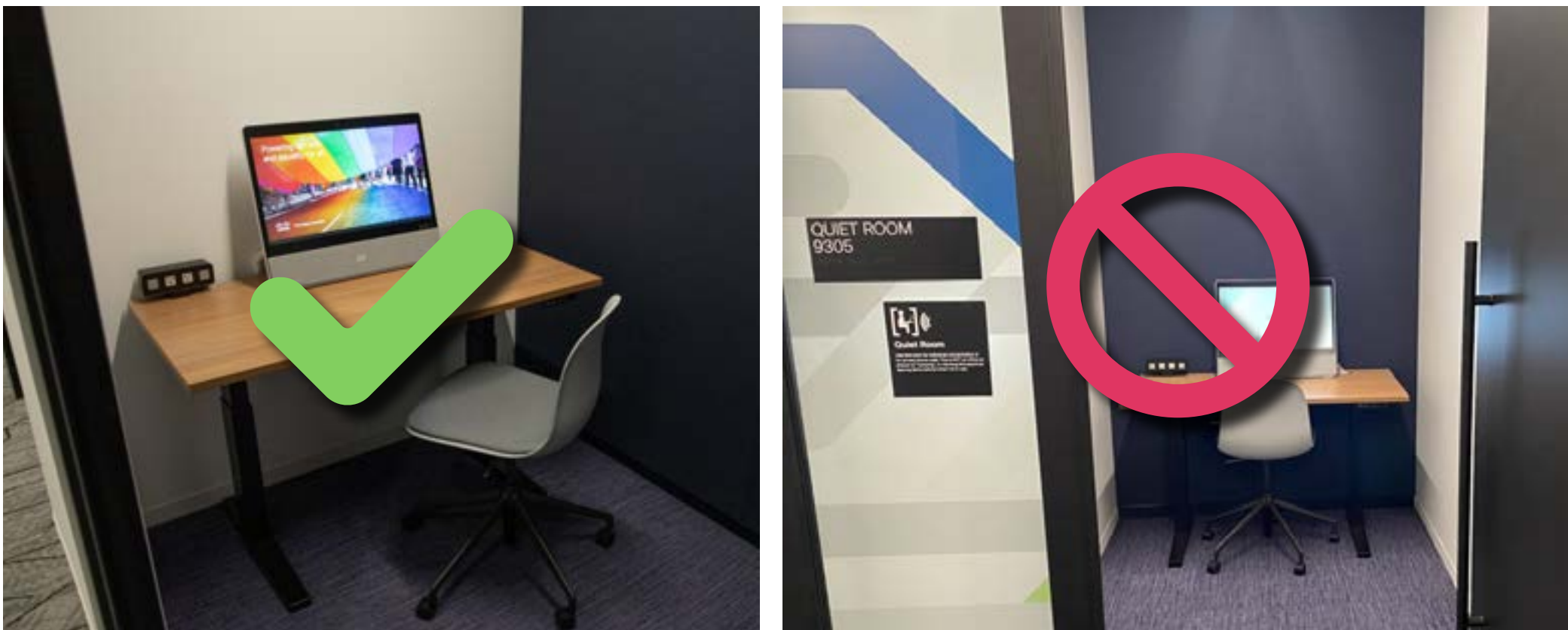 as opposed to the opposite wall, will provide greater privacy inside the room, as well as minimize the number of "false positives" created when the collaboration device is used to detect occupancy. If the device has to be located on the opposing wall, make sure the Meeting Zones feature is activated on the Cisco Collaboration device. This will allow you to customize the view of the camera, thus eliminating the detection individuals walking by the room.
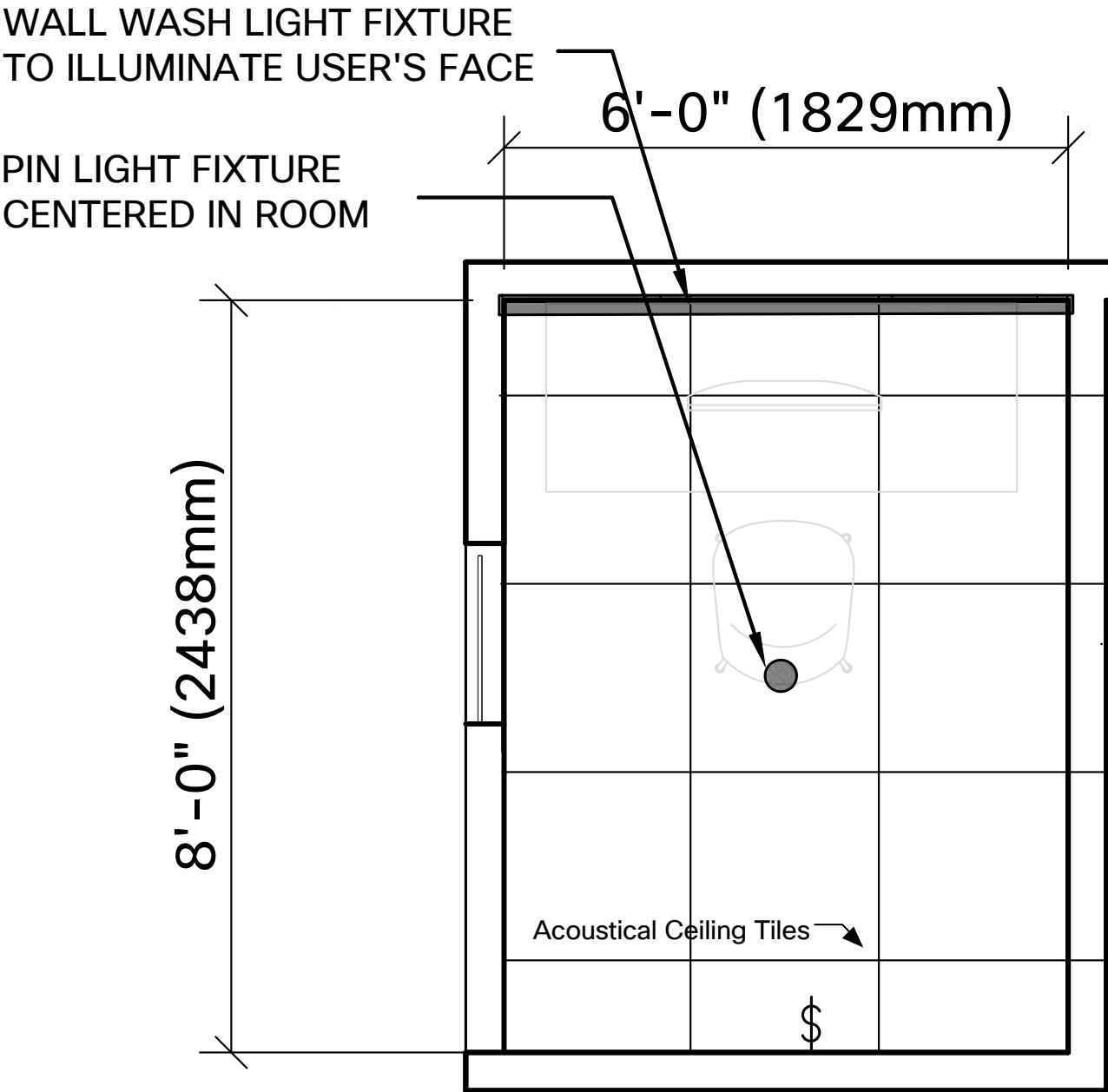
Desk Features

Addition of a metal lip on table edge to ensure the video device does not slip off back.
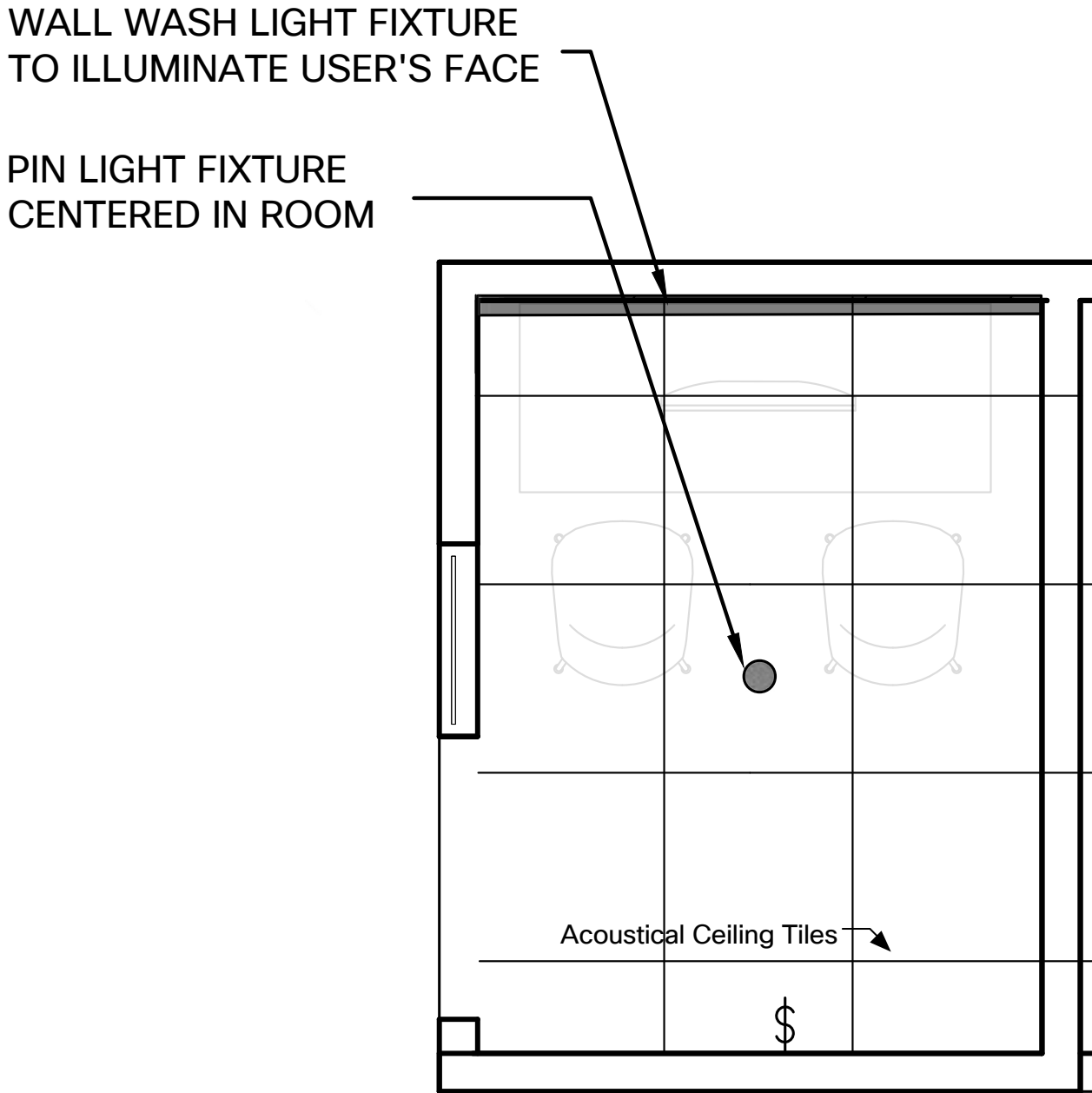

Addition of vinyl distraction graphic on sidelights for added privacy and to ensure video device does not capture people walking by the room.
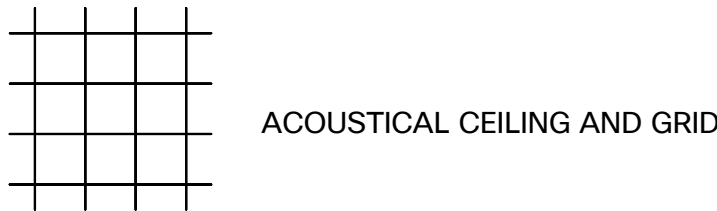
Reflective Ceiling Plan

1 Person

WALL WASH LIGHT FIXTURE
TO ILLUMINATE USER'S FACE

PIN LIGHT FIXTURE
CENTERED IN ROOM

6'-0" (1829mm)

8'-0" (2438mm)

Acoustical Ceiling Tiles

$

2 Person

WALL WASH LIGHT FIXTURE
TO ILLUMINATE USER'S FACE

PIN LIGHT FIXTURE
CENTERED IN ROOM

Acoustical Ceiling Tiles

$

Graphics Symbols

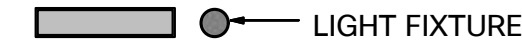ACOUSTICAL CEILING AND GRID

LIGHT FIXTURES

LIGHT FIXTURE

$ LIGHT SWITCH
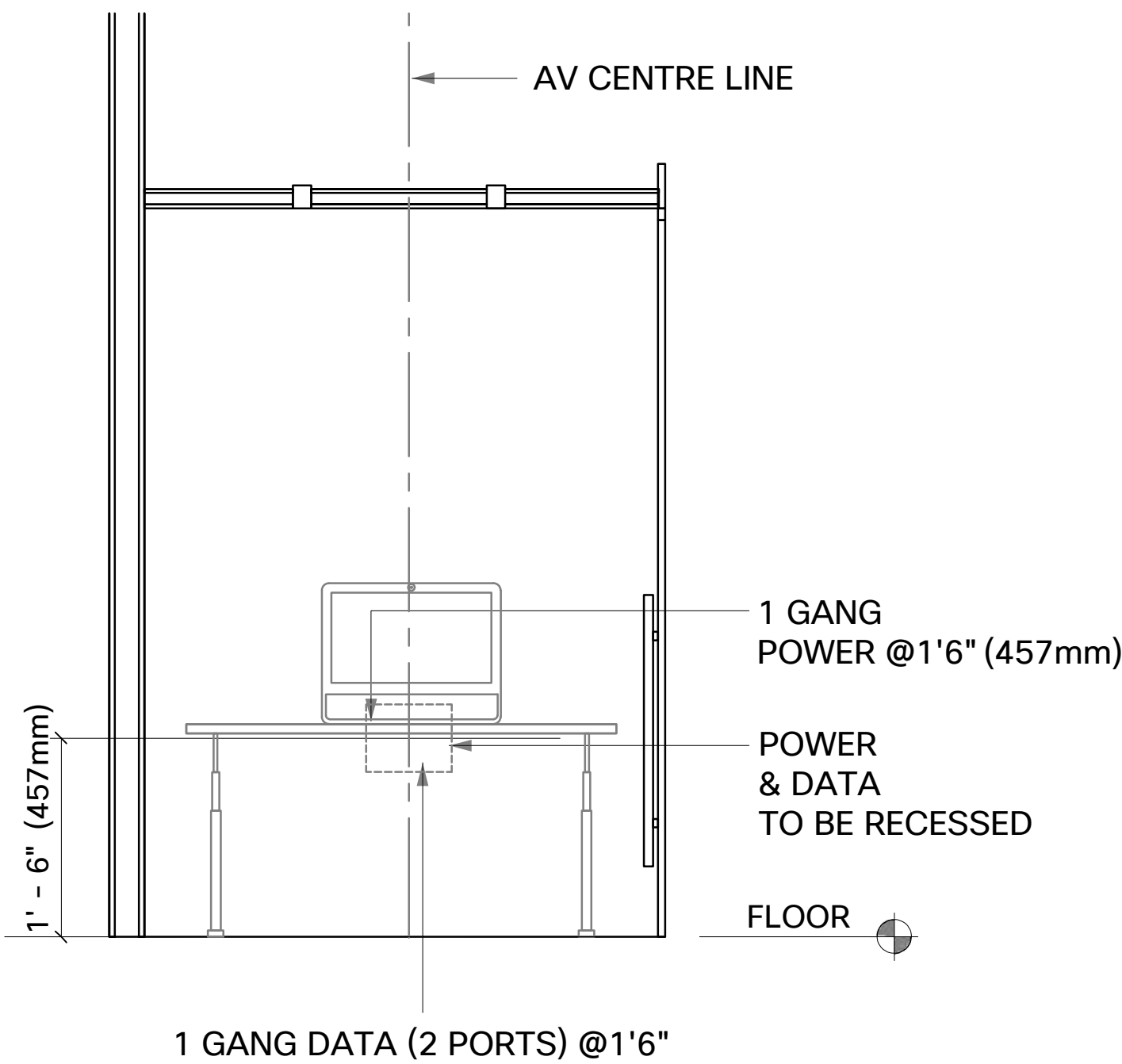
DESIGN GUIDELINES

CEILING HEIGHT WILL VARY PER SITE CONDITIONS.

OPTIMAL FOOTCANDLE LEVELS SHALL BE PROVIDED BY
LIGHTING PROFESSIONAL TO OBTAIN BEST PRACTICE LEVELS
REQUIRED FOR DESKTOP AND ALL OTHER TASKS.

H.V.A.C. AND ALL OTHER SITE SPECIFIC CEILING EQUIPMENT
SHALL BE COORDINATED WITH ALL OTHER CEILING DEVICES.

CISCO

Room Elevations

Construction Elevation

AV CENTRE LINE

1 GANG
POWER @1'6" (457mm)

POWER
& DATA
TO BE RECESSED

1' – 6" (457mm)

FLOOR

1 GANG DATA (2 PORTS) @1'6"

Front Elevation

FLOOR

2' – 1" (635mm)

DESK PRO
TO BE
TABLE
MOUNTED

4' – 1" (1245mm)

2' – 6" (762mm)

FLOOR

Side Elevation

FLOOR

DESK PRO
TO BE
TABLE
MOUNTED

FLOOR
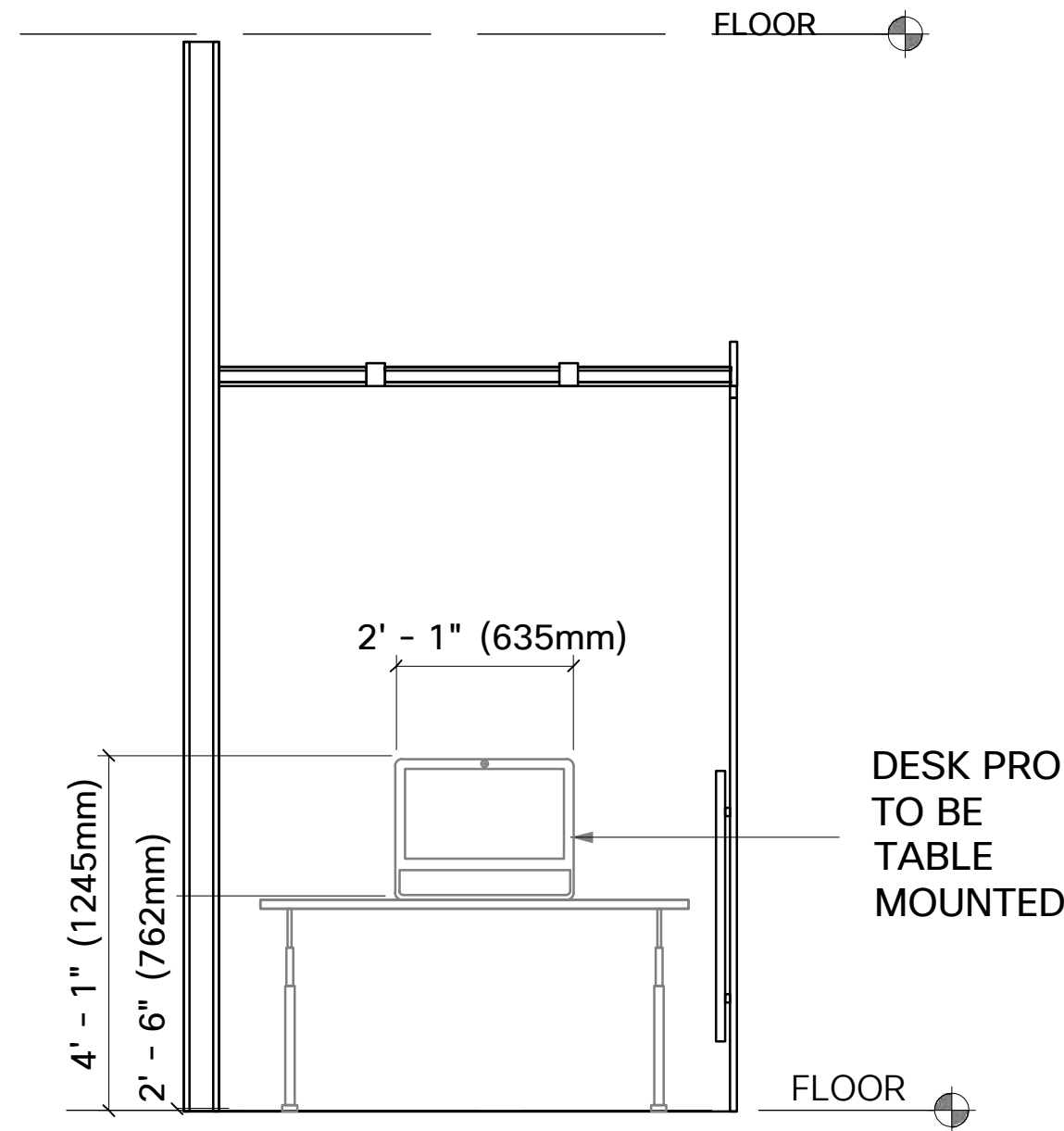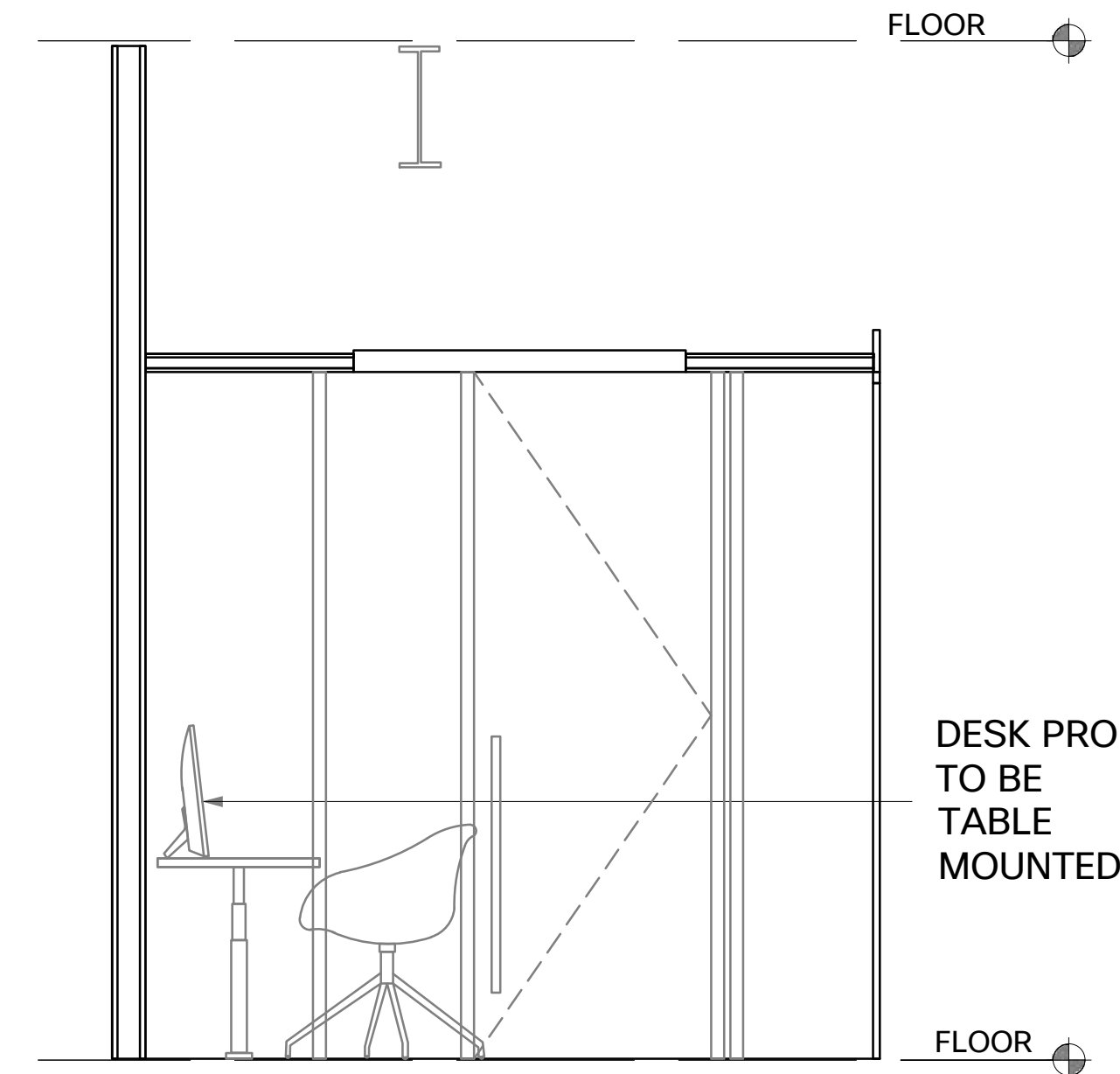
Acoustical Treatment

1 Person

8'-0" (2438mm)

6'-0" (1829mm)

2 Person

8'-0" (2438mm)

6'-0" (1829mm)
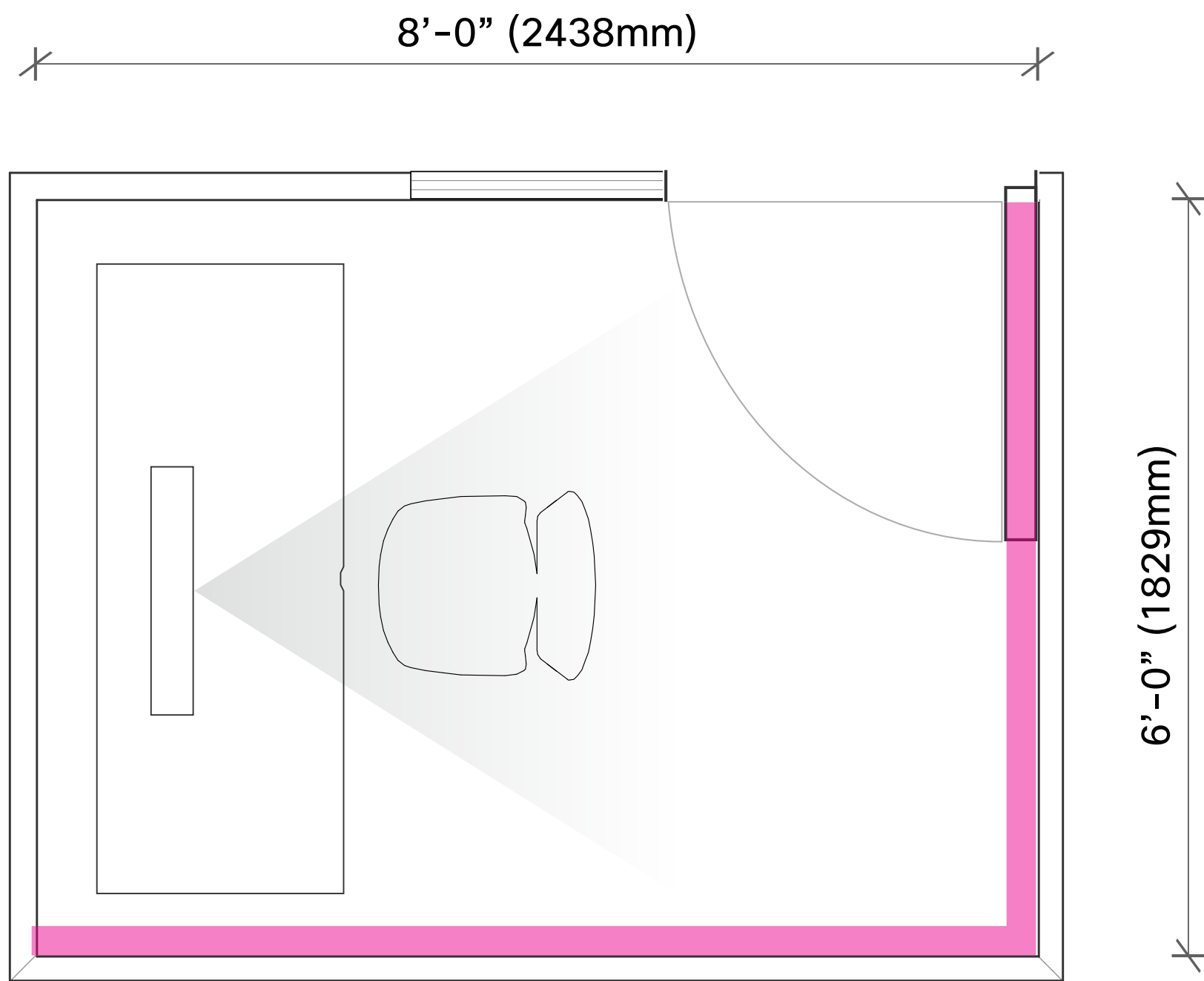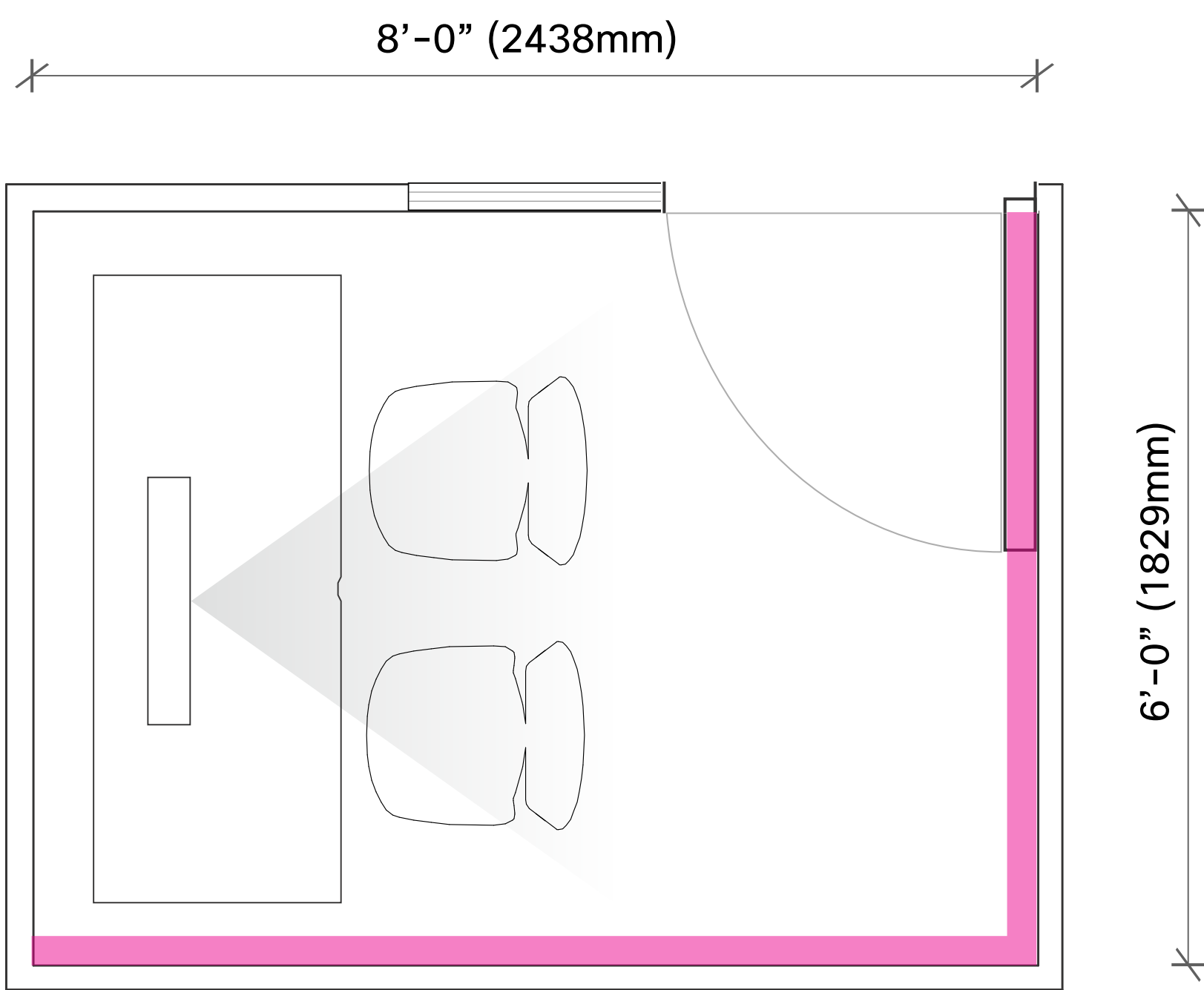
● Installation of an absorptive ceiling, through the use of acoustic ceiling tiles, as well as the addition of acoustical panels to two adjoining walls within the room (preferably opposite the device and away from the entry location) is highly recommended.

Exploded IT Diagram

ⓘ

Cisco Room Navigator for Wall

It is recommended to run the cable inside the wall or through the door frame directly back to a network switch.

Table Top Charging

USB-C charging and convenience outlets on table top. Ensure the size of the trough and layout can accommodate a variety of laptop power supplies.

Wall Blocking

Not required as the device typically sits directly on the furniture.

Core Drilling

Not required for this space.

POE LIGHTING DRIVER

22AWG CATEGORY CABLE

TO IDF CLOSET

18/2 WIRE

LED LIGHT

22AWG CATEGORY CABLE

CISCO DESK

-OR-

CISCO DESKPRO

CISCO ROOM NAVIGATOR (WALL MTD.)

NETWORK SWITCHING

22AWG CATEGORY CABLE

CISCO

Connectivity View

TO IDF

TO J-BOX

CISCO
DESK OR
CISCO
DESKPRO

NOTE:
DEVICE PLUGS IN TO
WALL OUTLET & USES
CABLE SLEEVE TO
ENSURE DESK HEIGHT
CAN BE ADJUSTED
WITHOUT ISSUE

CISCO ROOM
NAVIGATOR MOUNTED
ON GLASS. ETHERNET
CONCEALED IN DOOR
JAMB MULLION

USBC

DESKTOP
POWER
RECEPT.

ETHERNET

POWER

USB

IT/OT Reference Architectures

- Separate IT and OT network layout
- Port based DHCP allocation
- 90W UPoE+

Compute Infrastructure
(e.g., Hyperflex or UCS)

IoT partner application

DNA Center

Cisco Smart Workspaces

Catalyst 9800 eWLC

MDF Closet

WAN
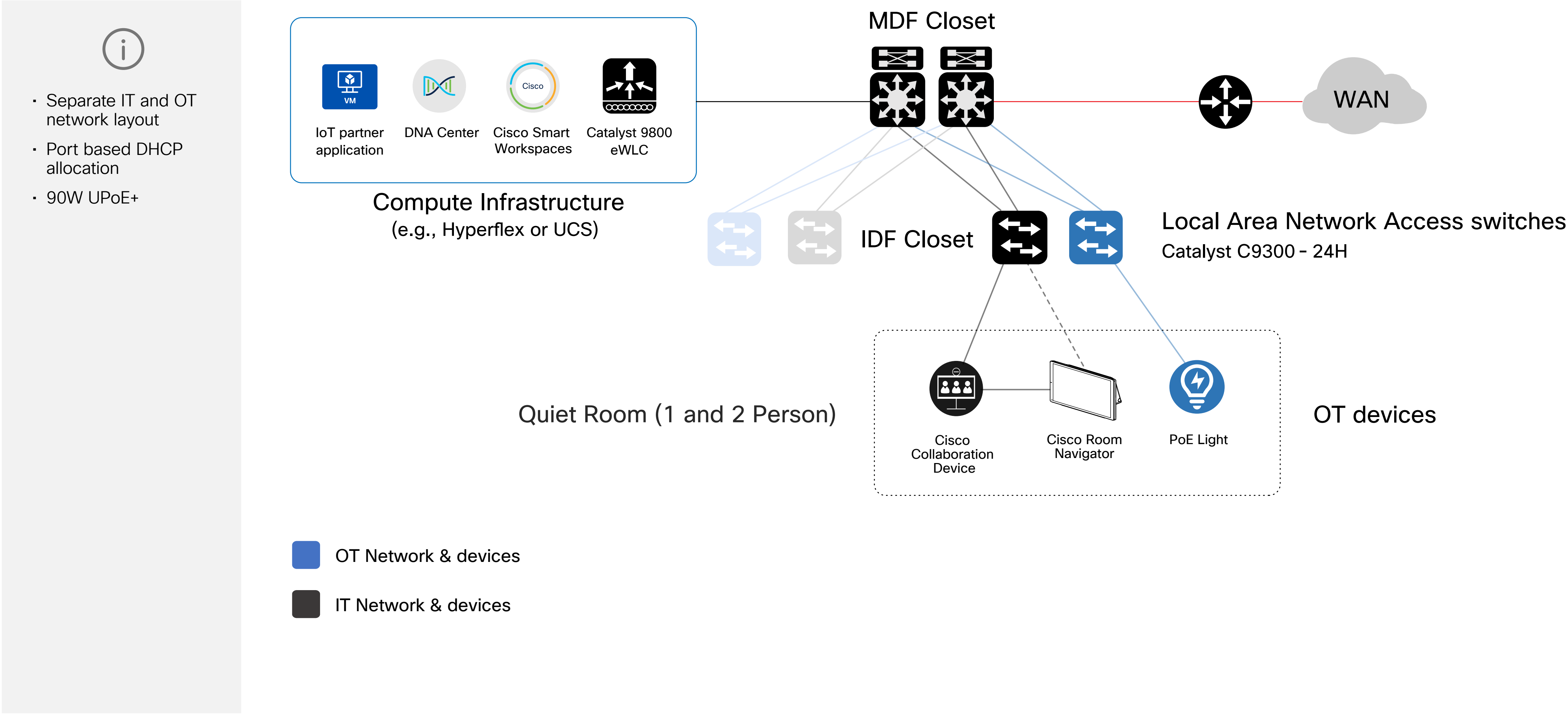
Local Area Network Access switches
Catalyst C9300 – 24H

IDF Closet

Quiet Room (1 and 2 Person)

Cisco Collaboration Device

Cisco Room Navigator

PoE Light

OT devices

■ OT Network & devices

■ IT Network & devices

IT/OT Bill of Material

Cisco Products Video Endpoint in 1 Person Quiet Room

- **CS-DESK-K9**   Cisco Desk
- **CS-T10-WM-K9=**   Cisco Room Navigator for Wall

IOT Considerations

- IAQ coming from the Cisco Endpoints, No additional IoT IAQ
- Occupancy sensing is coming from the Cisco Endpoints
- Suggested lighting specifications: 220LPW raw,140LPW delivered
- 2 quiet rooms are being power by a single port
- Tradition DC Wall Switch
- Ensure device is not connected to ASHRAE 90.1 outlet

Cisco Products Video Endpoint in 2 Person Quiet Room

- **CS-DESKPRO-K9**   Cisco Desk Pro
- **CS-T10-WM-K9=**   Cisco Room Navigator for Wall

External microphones and speakers

- Mic and speakers are embedded in the Cisco Endpoints, No additional mic or speakers required

Commissioning-User Acceptance Testing (UAT) Criteria (Sample)

OT/Space Testing

☐ Verify manual adjustment of lights, shades and environmentals are operational from wall controls

☐ Confirm lighting occupancy sensor is functional

☐ Verify operation of adjustable height desk (if deployed)

☐ Check any tabletop power and data functionality

☐ Verify any smart buildings integrations are working properly

IT Testing

☐ Internet connectivity of Cisco Collaboration device

☐ Initiate test calls on video endpoint (via device, Webex app and voice controls)

☐ Validate environmental metrics are being displayed on video device

☐ Confirm help videos are loaded

☐ Confirm occupancy beacon function is correctly working on Cisco Room Navigator for Wall

☐ Verify the Cisco Smart Workspaces display is showing proper presence status

CISCO

Design Files

Design files (Revit, AutoCAD, Sketch up, Rhino3D, etc.) for Cisco's collaboration devices, network switches, wireless access points and Meraki security cameras can be found at www.bimobjects.com, search "Cisco."
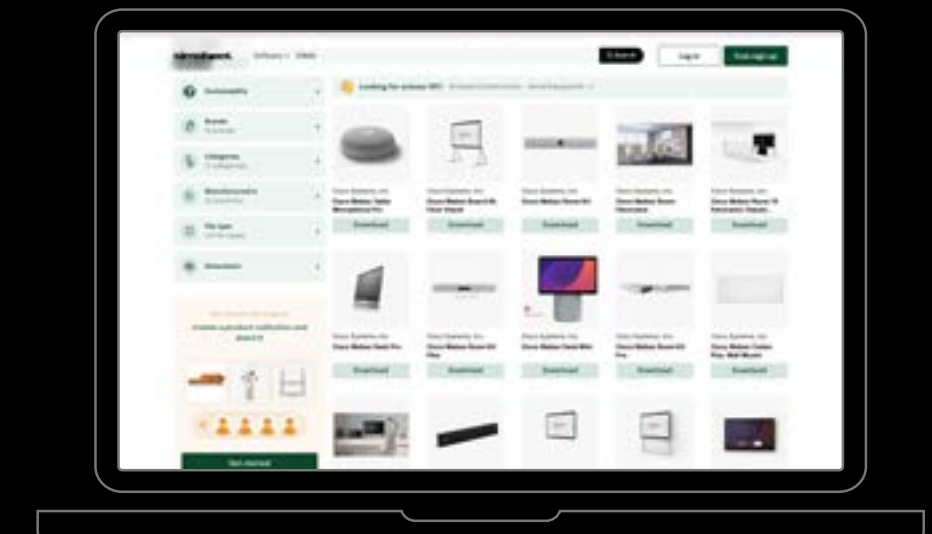
Resources

Guide: Best Practices for Creating Effective Video-enabled Rooms

The intent of this document is to highlight the details, components and partners used in the creation of a Large Collaboration Room. Any reference herein to any specific commercial products or service does not necessarily constitute or imply its endorsement or recommendation.